

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A lifting surface (3) comprising:

~~a second leading edge (16), a second trailing edge (2),~~
and at least one ~~rotating~~ flap (1) ~~liable~~ able to turn about a longitudinal axis of rotation (4), ~~defined according to the first span (5) of said flap (1),~~ said flap (1) having ~~also~~ a profile (6) extending along a chord (CO) and comprising a first leading edge (7), a first trailing edge (8), and inner surface (9) and an outer surface (10) ~~[[,]]~~; and

a second leading edge (16) and a second trailing edge (2);

said flap (1) being arranged to rotate at said second trailing edge (2) while leaving a clearance (13) between said second trailing edge (2) and said first leading edge (7) of said flap (1), wherein

~~characterized in that:~~

- said inner surface (9) and said outer surface (10) have, beyond 25% of the flap (1) chord CO, shapes that are not concave;

- said first trailing edge (8) has a main angle (α) included between 10° and 30° ; [[and]]

- said axis of rotation (4) is situated at a first distance (C1) from said first leading edge (7), which is included between 15% and 35% of the chord (CO) of said flap (1); and

- said clearance (13) is between 1.5% and 3.5% of said chord (CO) of said flap (1).

2. (withdrawn) A lifting surface according to the claim 1, characterized in that said first leading edge (7) has a rounded shape provided with a more or less constant curve radius (R).

3. (previously presented) A lifting surface according to the claim 1, characterized in that said first leading edge (7) has an elliptical shape whose first major axis to minor axis quotient is not less than 1.5.

4. (withdrawn) A lifting surface according to any claim 1, characterized in that said inner surface (9) has a more or less linear shape.

5. (previously presented) A lifting surface according to claim 1, characterized in that said inner surface (9) has a more or less convex shape.

6. (withdrawn) A lifting surface according to claim 1, characterized in that said outer surface (10) has a more or less linear shape.

7. (previously presented) A lifting surface according to claim 1, characterized in that said outer surface (10) has a more or less convex shape.

8. (previously presented) A lifting surface according to claim 1, characterized in that said main angle (α) is approximately 20°.

9. (previously presented) A lifting surface according to claim 1, characterized in that said first trailing edge (8) has an elliptical shape whose second major axis to minor axis quotient is greater than or equal to 1.5.

10. (original) A lifting surface according to the claim 9, characterized in that said second major axis to minor axis quotient is approximately equal to 2.

11. (currently amended) A lifting surface according to claim 1, ~~characterized in that said axis of rotation (4) of said flap (1) is situated at a first distance (C1) from the said first leading edge (7) corresponding~~ wherein the first distance is more or less ~~[[to]]~~ 25.5% of the chord (CO).

12. (canceled)

13. (currently amended) A lifting surface according to the claim ~~[[12]]~~ 1, characterized in that said clearance (13) corresponds to approximately 2% of said chord (CO) of said flap (1).

14. (previously presented) A lifting surface according to claim 1, characterized in that said clearance (13) is included

between 0.4% and 0.8% of a total length (L) separating said second leading edge (16) from said first trailing edge (8).

15. (original) A lifting surface according to the claim 14, characterized in that said clearance (13) corresponds to approximately 0.5% of said total length (L).

16. (currently amended) A lifting surface according to claim 1, ~~characterized in that it includes a partial overlap (P) of~~ wherein said first leading edge (7) is partially overlapped by said second trailing edge (2).

17. (original) A lifting surface according to the claim 16, characterized in that said partial overlap (P) is less than 10% of said chord (CO) of flap (1).

18. (currently amended) A lifting surface according to claim 1, ~~characterized in that it includes~~ further comprising at least one longitudinally extended filling means (14) ~~to seal for sealing off the opening caused by~~ said clearance (13).

19. (original) A lifting surface according to the claim 18, characterized in that said filling means (14) is located in a reference surface (11) of the lifting surface (3).

20. (currently amended) A lifting surface according to claim 1, ~~characterized in that it includes~~ comprising a multitude of said flaps (1) ~~arranged on the second span of said lifting surface (3), and in that said first span (5) of,~~ wherein a span of each of said flaps (1) is less than or equal to 15% of said ~~second~~ a span of said lifting surface.

21. (currently amended) A lifting surface according to the claim 20, ~~characterized in that said first span (5)~~ wherein the span of each of said flaps (1) is included between 7% and 10% of said ~~second~~ span of said lifting surface (3).